PROJECT PROFILE – SUMMARY SHEET

1- Project title: Construction of a power plant to generate electricity from biogas obtained from urban sewage

2- Progress status:

In producing: □ Less than nominal capacity □Full capacity

project: □Incomplete ■ New □Expansion

□Inactive after operate □In use other than the purpose of the project

3- Sector: *Energy* ***Sub sector:*** *electricity generation*

***4*- Products:** *power plant to generate electricity*

5- Location:

□Main land □Free zone □Economic special zone ■Industrial Estate

City: Tabriz Province: East Azarbaijan Country: Iran

6- Building & Equipment Specifications:

7- Accessibility & Infrastructure:

Available electricity:	Distance to high voltage:-	Phone:-
Internet Infrastructure:-	Available Water:-	Number of wells: -
Water capacity: -	Drinking water:-	Gas available:-
Distance to gas supply:-	Distance to highway/main road:-	Distance to nearest city:-
Distance to provincial capital:-	Distance to the nearest customs:-	Distance to the nearest Airport:
Distance to the nearest railway station:	Distance to the nearest port:-	Distance to Borders:-

8- Explanation of Production Process:

The goal is to produce energy from biogas obtained from the wastewater treatment plant. Biogas production is one of the activities that can be used in wastewater treatment. Extraction of biogas can also be done from anaerobic processes of sewage, which in addition to energy production can also be effective in odor control.

***9*- Capacity:**

Annually Nominal Capacity: 11880 MW **Annually Practical Capacity:** 5,940 MW

10- Internal Raw Material Access: 100%

11- Sale:

Anticipated export market: 0% Anticipated internal market: 100%

12- Construction Period: 12 months

13- Special points:

■land prepared □Relevant legal permission □Environmental license

□Partnership agreement concluded with local/foreign investor □Ability to obtain banking loan

□Machinery and equipment are available □Product / service sales contract

□Purchase agreement for machinery, equipment and know- how concluded

□Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc.) procured

Others advantages (Technology, innovation, rank of industry, market specific privilege, intellectual property, etc.):

14- Feasibility study Status:

■Updated Feasibility study □Pre-Feasibility study □ No Feasibility study

15- Value of equipment/machinery & technical know-how:

Value of local equipment/machinery: - Value of foreign equipment/machinery: 0.309 million Euro

Value of local technical know-how: - Value of foreign technical know-how: 0.112 million Euro

16- Financial Table:

Description	Local Currency Required			Foreign Currency Required in Million Euro	Total in Million Euro
	Million Rials	Exchange Rate	Equivalent in Million Euro		
Fixed Capital	6,313	450,928	0.014	0.421	0.435
Working Capital	3,530	450,928	0.008	0	0.008
Total Investment	9,843	450,928	0.022	0.421	0.443

- Net Present Value (NPV): .٠089 million Euro
- Internal Rate of Return (IRR): 24.45 %
- Payback Period (PP): 5.07 years from the beginning of the construction period

17- Employee:

employee	available	required	total
person	-	10	10

18- Company Profile:

Name (individual or entity: East Azarbaijan Water and Wastewater Company

Name of Contact Person/ CEO: Mr. Jahangiri

Current activity:-

Activity background: -

Legal structure of the company: □Private □government ■Public

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Web site:https://abfaazarbaijan.ir/ Email: r.jahangiri@yahoo.com P.O. Box: -

Office Address: East Azarbaijan Water and Wastewater Company, 29 Bahman Blv., Tabriz, East Azarbaijan

Please attach the following documents if available:

■Feasibility study

☐ Legal permissions and ownership documents

☐ Company Contracts

☐ Aerial photos, local access, surrounding urban context

☐ Location in the city, Split map, Municipality district

☐ Brochure and catalogue of project